

## **Amendments to the Claims**

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) A method comprising:  
  
receiving, from an eye interpretation engine, at least an interpretation of eyetracking data corresponding to a plurality of users;  
  
receiving external context data corresponding the interactions of the plurality of users with an application, wherein the external context data is related to an operational state associated with a computing device running the application; and  
  
dynamically ~~modifying~~ ~~acting on~~ a characteristic of a graphical user interface of the application based, at least in part, on the interpretation of the eyetracking data and the external context data.
2. (Original) The method of claim 1 wherein acting on comprises one of: modifying, creating, destroying, removing, invoking and configuring.
3. (Previously Presented) The method of claim 1 wherein dynamically acting on a characteristic of the application based, at least in part, on the interpretation of the eyetracking data comprises:  
  
determining from the interpretation of the eyetracking data at least a portion of an interface that has not been viewed by one or more of the plurality of users;

modifying a format of the portion of the interface that has not been viewed by one or more of the plurality of users.

4. (Currently Amended) A method comprising:  
receiving, from an eye interpretation engine, at least an interpretation of eyetracking data corresponding to a plurality of users;  
receiving external context data corresponding the interactions of the plurality of users with an application, wherein the external context data is related to an operational state associated with a computing device running the application; and  
dynamically acting on [[an]] a graphical output of the application displayed on an output device based, at least in part, on the interpretation of the eyetracking data and the external context data.

5. (Original) The method of claim 4 wherein acting on comprises one of: modifying, creating, destroying, removing, invoking and configuring.

6. (Previously Presented) The method of claim 4 wherein dynamically acting on the output of the application based, at least in part, on the interpretation of the eyetracking data comprises:  
determining from the interpretation of the eyetracking data at least a portion of content that has not been viewed by one or more of the plurality of users;

modifying a format of the portion of content that has not been viewed by one or more of the plurality of users.

7. (Currently Amended) A method comprising:  
receiving, from an eye interpretation engine, at least an interpretation of eyetracking data corresponding to a plurality of users;  
receiving external context data corresponding the at least interactions of the plurality of users with an application, wherein the external context data is related to an operational state associated with a computing device running the application; and  
dynamically modifying a graphical user interface of ~~acting on~~ the application based, at least in part, on the interpretation of the eyetracking data and the external context data.

8. (Original) The method of claim 7 wherein acting on comprises one of: invoking, selecting, closing, creating and configuring.

9. (Currently Amended) An article comprising a tangible computer-readable medium having stored thereon instructions that, when executed, cause one or more processors to:

receive, from an eye interpretation engine, at least an interpretation of eyetracking data corresponding to at least one user;

receive external context data corresponding the at least one user's interaction with an application, wherein the external context data is related to an operational state associated with a computing device running the application; and

dynamically ~~act on~~ modify a characteristic of a graphical user interface of the application based, at least in part, on the interpretation of the eyetracking data and the external context data.

10. (Original) The article of claim 9 wherein acting on comprises one of: modifying, creating, destroying, removing, invoking and configuring.

11. (Previously Presented) The article of claim 9 wherein the instructions that cause the one or more processors to dynamically act on a characteristic of the application based, at least in part, on the interpretation of the eyetracking data comprise instructions that, when executed cause the one or more processors to:

determine from the interpretation of the eyetracking data at least a portion of content that has not been viewed by one or more of the plurality of users;

modify a format of the portion of the interface that has not been viewed by one or more of the plurality of users.

12. (Currently Amended) An article comprising a computer-readable medium having stored thereon instructions that, when executed, cause one or more processors to:

receive, from an eye interpretation engine, at least an interpretation of eyetracking data corresponding to a plurality of users;

receive external context data corresponding the interactions of the plurality of users with an application, wherein the external context data is related to an operational state associated with a computing device running the application; and

dynamically modify ~~act on~~ an output of the application displayed on an output device based, at least in part, on the interpretation of the eyetracking data and the external context data.

13. (Original) The article of claim 12 wherein acting on comprises one of: modifying, creating, destroying, removing, invoking and configuring.

14. (Previously Presented) The article of claim 12 wherein the instructions that cause the one or more processors to dynamically act on a characteristic of the application based, at least in part, on the interpretation of the eyetracking data comprise instructions that, when executed cause the one or more processors to:

determine from the interpretation of the eyetracking data at least a portion of content that has not been viewed by one or more of the plurality of users;

modify a format of the portion of the interface that has not been viewed by one or more of the plurality of users.

15. (Currently Amended) An article comprising a computer-readable medium having stored thereon instructions that, when executed, cause one or more processors to:

receive, from an eye interpretation engine, at least an interpretation of eyetracking data corresponding to a plurality of users;

receive external context data corresponding the at least interactions of the plurality of users with an application, wherein the external context data is related to an operational state associated with a computing device running the application; and dynamically modify a graphical user interface set on the application based, at least in part, on the interpretation of the cyetracking data and the external context data.

16. (Original) The article of claim 15 wherein acting on comprises one of: invoking, selecting, closing, creating and configuring.

17. (Previously Presented) The method of claim 1 wherein the external context data comprise one or more of: system information, location and/or z-order of windows and/or objects, Document Object Model (DOM) of a Web page or application being viewed, current application process state and/or visual state, task models, cognitive models describing the mental or physical steps or states required.

18. (Previously Presented) The method of claim 4 wherein the external context data comprise one or more of: system information, location and/or z-order of windows and/or objects, Document Object Model (DOM) of a Web page or application being viewed, current application process state and/or visual state, task models, cognitive models describing the mental or physical steps or states required.

19. (Previously Presented) The method of claim 7 wherein the external context data comprise one or more of: system information, location and/or z-order of

windows and/or objects, Document Object Model (DOM) of a Web page or application being viewed, current application process state and/or visual state, task models, cognitive models describing the mental or physical steps or states required.

20. (Previously Presented) The article of claim 9 wherein the external context data comprise one or more of: system information, location and/or z-order of windows and/or objects, Document Object Model (DOM) of a Web page or application being viewed, current application process state and/or visual state, task models, cognitive models describing the mental or physical steps or states required.

21. (Previously Presented) The article of claim 12 wherein the external context data comprise one or more of: system information, location and/or z-order of windows and/or objects, Document Object Model (DOM) of a Web page or application being viewed, current application process state and/or visual state, task models, cognitive models describing the mental or physical steps or states required.

22. (Previously Presented) The article of claim 15 wherein the external context data comprise one or more of: system information, location and/or z-order of windows and/or objects, Document Object Model (DOM) of a Web page or application being viewed, current application process state and/or visual state, task models, cognitive models describing the mental or physical steps or states required.